



DEPARTMENT OF THE ARMY
UNITED STATES ARMY GARRISON MANNHEIM
UNIT 29901
APO AE 09086-9901

IMEU-MAN-PW

APR 11 2006

MEMORANDUM FOR SEE DISTRIBUTION

SUBJECT: Standard Operating Procedure for the Identification and Evaluation of Environmental Aspects and Impacts at the USAG Mannheim

1. REFERENCE: USAG Mannheim Aspects Register Database
2. PURPOSE: To describe the process for identifying environmental aspects and associated impacts, and assessing their significance in a consistent and reproducible manner. Environmental aspects and impacts shall be re-evaluated at least once a year or after significant changes of mission or activities.
3. APPLICABILITY: This procedure applies to the cross-functional team and other garrison personnel responsible for the evaluation of environmental aspects as identified in this procedure.
4. DEFINITIONS:
 - a. Environmental aspect: Element of the garrison's activities, products or services that can interact with the environment.
 - b. Environmental impact: Any change to the environment, whether adverse or beneficial, wholly or partially resulting from an organization's activities, products or services.
 - c. Likelihood: The probability that an impact might occur, or how often it actually occurs.
 - d. Consequence: Potential severity of an environmental impact.
5. RESPONSIBILITIES:
 - a. Environmental Management System Management Representative (EMSMR): Reviews and approves updated aspects register.
 - b. Director of Public Works: Provides overall supervision and direction for the environmental program.

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c. Operators of relevant activities: Provide data on environmental aspects to Environmental Division and EMSMR.

d. EMS Coordinator, Environmental Management Division, Cross-functional team (CFT), P2 Manager: Identify, Review and re-evaluate environmental aspects.

6. PROCESSES:

a. Identify all major installation activities (tactical and non-tactical), and identify their environmental aspects that can be controlled or influenced. Add new aspects to the existing register.

b. The first step for the evaluation of the environmental aspects is the determination of the rating factors "Likelihood" and "Consequence" for each impact, following the numerical scale below. For a re-evaluation, check if the Risk Factor has changed since the last review:

(1) Likelihood:

5 = Continuous - ongoing or daily

4 = Frequent - more than once per month

3 = Infrequent - more than once per year, less than once per month

2 = Rare - impact may occur once every year or two

1 = Never - never occurred or highly unlikely

(2) Consequence:

5 = Immediate threat - likely to result in widespread damage to human health or the environment; requires great effort to remediate or correct

4 = Serious - no immediate health threat, but significantly damages the environment; difficult but possible to remediate

3 = Moderate - somewhat harmful, but correctable

2 = Mild - small potential for harm to environment, correctable

1 = Insignificant - trivial consequences, easily correctable or not impact

c. After determining the rating factor, the risk factor (RF) is calculated by multiplying Likelihood (L) and Consequence (C)

$$RF = L \times C$$


The aspect is considered significant if the risk factor is ≥ 15 . Some of the aspects included in the register may not be significant anymore, as environmental objectives,

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targets and programs are implemented in order to minimize environmental impacts. Remove the aspects from the database if there is no more impact or change the risk factor if the significance status has changed, respectively.

7. POC is Ms. Mary Kay Foley, Chief, Environmental Management Division, at DSN 381-8675, email: mary.foley@us.army.mil



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